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L4	25	(fir or (finite adj impulse)) and filter and ((maximal\$3 near flat) or berstein) and recursi\$4 and @ad<"20021101"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/08/06 19:08

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[Design of FIR notch filters by using Bernstein polynomials](#)

SB JAIN, B KUMAR, SCD ROY - International journal of circuit theory and applications, 1997 - cat.inist.fr
... In this paper, **Bernstein** polynomials have been used ... notch filters which are maximally flat at ω ... Filtre réponse impulsion finie; **Finite impulse** response filter ...

Cited by 8 - Related Articles - Web Search - BL Direct

[Design of linear phase FIR filters with a maximally flat passband - all 2 versions »](#)

MT Hanna - Circuits and Systems II: Analog and Digital Signal ..., 1996 - ieeexplore.ieee.org
... of odd and even length N of the real **finite impulse** response is (n ... Rajagopal and Dutta Roy used **Bernstein** polynomials for designing maximally flat low-pass ...

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S Samadi, Y Igarashi, H Iwakura - Signal Processing, IEEE Transactions on [see also Acoustics, ..., 1999 - ieeexplore.ieee.org
... and multiplierless realization of maximally flat FIR digitalHilbert ... realization of type-3 **finite impulse** response (FIR ... method based on **Bernstein** polynomials and ...

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DBH Tay - Vision, Image and Signal Processing, IEE Proceedings-, 2000 - ieeexplore.ieee.org
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S Samadi, A Nishihara, H Iwakura - Circuits and Systems II: Analog and Digital Signal ..., 2000 - ieeexplore.ieee.org
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[Multiplierless and hierarchical structures for maximally flat half-band FIR filters](#)

S Samadi, H Iwakura, A Nishihara - Circuits and Systems II: Analog and Digital Signal ..., 1999 - ieeexplore.ieee.org
... the transfer function of linear-phase **finite impulse** response (FIR ... Using that circuit, a maximally flat low-pass or ... It is based on the **Bernstein** polynomials [8 ...

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... existing in some classes of **finite-impulse** response (FIR ... it is shown that using the **Bernstein** approximation, the ... function of low-pass maximally flat filters can ...

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[Explicit formulae for coefficients of 2D circular symmetric MAXFLATFIR low/high pass digital filters - all 2 versions »](#)

IR Khan, R Ohba - Electronics Letters, 2001 - ieeexplore.ieee.org

... FIR filters using the **Bernstein** polynomial', IEEE ... of two- dimensional maximally flat diamond-shaped half-band **finite impulse** response filters ...

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[Design of arbitrary cutoff 2-D diamond-shaped FIR filters using theBernstein polynomial](#)

SC Pei, PH Wang - Signal Processing Letters, IEEE, 2000 - ieeexplore.ieee.org

... linear-phase, diamond-shaped (DS) **finite impulse** response (FIR ... approximated by a 2-D **Bernstein** polynomial, the ... The resultant magnitude responses are flat in the ...

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[High-speed dual-modulus prescaler architecture for programmable digital frequency dividers - all 2 versions »](#)

E Tournier, M Sie, J Graffeuil - Electronics Letters, 2001 - ieeexplore.ieee.org

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[FIR Notch Filter Design-A Review](#)

SCD Roy, B Kumar, SB Jain - Facta Universitatis (NiJ), Series Electronics and Energetics, 2001 - factaee.elifak.ni.ac.yu

... impulse response (IIR) as well as **finite impulse** response (FIR ... on the use of (i) **Bernstein** polynomials, and (ii ... been exploited to obtain maximally flat FIR notch ...

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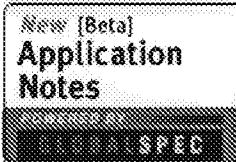

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1. **Design of arbitrary cutoff 2-D diamond-shaped FIR filters using the Bern**
Soo-Chang Pei; Peng-Hua Wang;
[Signal Processing Letters, IEEE](#)

IET JNL IET Journal or Magazine

Volume 7, Issue 11, Nov. 2000 Page(s):310 - 313
Digital Object Identifier 10.1109/97.873567

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IEEE CNF IEEE Conference Proceeding

2. **Design and multiplierless realization of maximally flat FIR digital Hilbert**
Samadi, S.; Igarashi, Y.; Iwakura, H.;
[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and S](#)
[Transactions on](#)]
Volume 47, Issue 7, July 1999 Page(s):1946 - 1953

Digital Object Identifier 10.1109/78.771043
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3. **Maximally flat FIR filters**
Cooklev, T.; Nishihara, A.;
[Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium](#)
3-6 May 1993 Page(s):96 - 99 vol.1

Digital Object Identifier 10.1109/ISCAS.1993.393666
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IEEE STD IEEE Standard

4. **Design of maximally-flat FIR filters using the Bernstein polynomial**
Rajagpoal, L.; Roy, S.D.;
[Circuits and Systems, IEEE Transactions on](#)
Volume 34, Issue 12, Dec 1987 Page(s):1587 - 1590

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5. **Maximally Flat FIR Filters**
Cooklev, T.; Nishihara, A.;